

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,891,972 B2
APPLICATION NO. : 10/592002
DATED : February 22, 2011
INVENTOR(S) : Jürgen Blank et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page after "5 Claims," please delete "No Drawings" and replace with -- 1 Drawing --

IN THE DRAWINGS:

Add Figure 1 as shown:

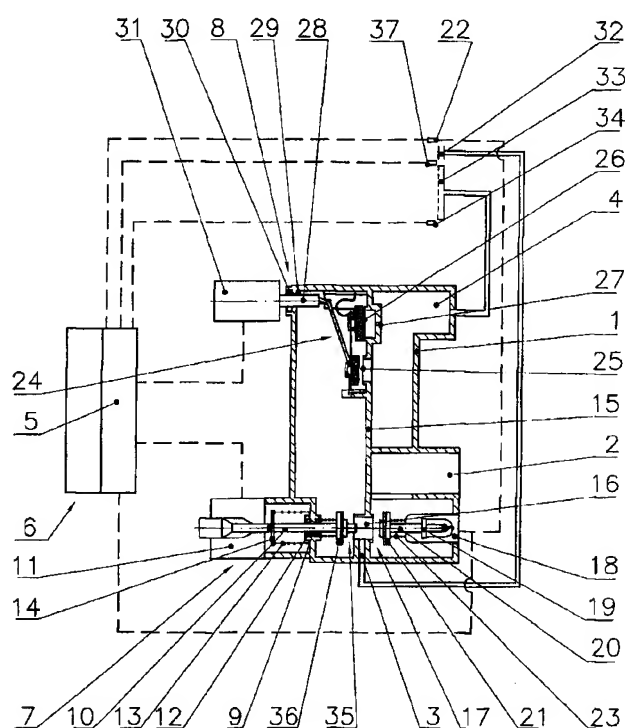


Fig. 1

Signed and Sealed this
Eleventh Day of October, 2011

David J. Kappos

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Director of the United States Patent and Trademark Office

(12) **United States Patent**
Blank et al.

(10) **Patent No.:** **US 7,891,972 B2**
(45) **Date of Patent:** **Feb. 22, 2011**

(54) **GAS REGULATING FITTING**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 936 days.

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(52) U.S. Cl. 431/46; 431/14; 431/69;
431/75; 431/77; 431/80

(58) **Field of Classification Search** 431/14,
431/15, 17, 69, 75, 77, 80, 83, 89, 46
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,915,613 A 4/1990 Landis et al.

5,787,874 A * 8/1998 Krohn et al. 126/39 BA
6,029,705 A 2/2000 Happe
6,247,919 B1 * 6/2001 Welz et al. 431/13

FOREIGN PATENT DOCUMENTS

DE 197 46 788 C1 5/1999
EP 0 732 544 A2 3/1996
EP 1 103 766 A2 11/2000
EP 1 188 989 A2 9/2001
FR 2 561 757 A1 3/1984
WO 2004/001292 A1 12/2003

* cited by examiner

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(57) **ABSTRACT**

The aim of the invention is to create a gas regulating fitting which, once a gas stove has been successfully started up, can switch the pilot burner into the off position when the main burner is in the off position, in order to maintain the power consumption of the gas stove as low as possible. The aim of the invention is also to provide the gas regulating fitting with as simple a structure as possible. To this end, the gas regulating fitting comprises a sensor (34) by which means the operating state of the main burner (33) can be detected. The sensor (34) is connected to a thermoelectric safety pilot valve (17) in such a way that, when the operating state of the main burner (33) is switched from the on position into the off position by a signal emitted from the sensor (34), the thermoelectric safety pilot valve (17) assumes the closed position thereof. The gas regulating fitting can be used to ignite and to regulate a gas flow flowing to a burner.

5 Claims, One Drawing

